



**Department of Statistics,
Assam University, Silchar-788011**

Report of the Three Day Workshop on Basic to Advanced Data Analysis in SPSS

January 5-7, 2016

The Department of Statistics, Assam University, Silchar organized a Three Day Workshop on **Basic to Advanced Data Analysis in SPSS** from 5th to 7th January, 2016. The Statistical Package for Social Sciences abbreviated as SPSS is a very popular software for inspecting, cleaning, transforming and modeling data with the goal of discovering useful information and suggesting conclusions. Thus, the need of the hour is to train manpower with the ability to perform analysis in SPSS. Accordingly, the workshop was planned. The Coordinator of the Workshop was Dr. Jonali Gogoi, Assistant Professor of the Department of Statistics, Assam University. . The prime concern of this workshop was to showcase the participants the process of analysis of data in SPSS starting from very basic to some of the advanced tools. The objective of the program was to train the participants to understand data types, their arrangement and data handling, in performing basic statistical analysis and graphics in SPSS, cross tables, graphs and charts, descriptive statistics, correlation, simple and multivariate regression, curve fitting, parametric and non-parametric tests, distribution fitting, ANOVA (one-way and two-way), factor analysis, cluster analysis and discriminant analysis.

The workshop was open to all Registered/enrolled Ph.D students, faculty members of any recognized university/institute or researcher who is in need of learning SPSS. There are only 40 vacancies for the program. Though, there were several applicants so based on the high demand and requirement only 42 can be accommodated in the workshop.

To run the expenses of the workshop registration fees was charged from the participants of the workshop. The registration fee of the workshop was Rs.700. This included workshop kit, light refreshments, humble working lunch during the workshop days and a certificate of program completion.

The event started at 10AM on 5th of January, 2016 with a welcome address by Dr. Dibyojyoti Bhattacharjee, Professor & Head of the Department of Statistics, Assam University, Silchar. After the welcome address Prof. Ranju Rani Dhamala, Honourable Vice Chancellor (i/c) of the University, Dr. Suprabir Dutta Roy, Controller of Examinations, Assam University, Silchar, Prof. Bipul Shyam Purkayastha, Dean, School of Physical Sciences, Assam University, Silchar addressed in the Inaugural Session of the workshop.

On the first day of the workshop, 5th of January, 2016 Mr. Sankar Goswami, Assistant Professor, Department of Statistics, Gurucharan College, Silchar, Dr. Kingshuk Adhikari, Department of Commerce, Assam University, Silchar delivered lectures. The session's included one theory and two practical classes.

The theory class was based on Data, types of variable, Data Coding etc. and practical classes were based on preparing Data Bases, Data Coding, data manipulation and Descriptive statistics, Cross tab, Graphs & Designs. The first day of the workshop ended at around 4:30 PM.

On the second day of the workshop, 6th January, 2016 Prof. Dibyojyoti Bhattacharjee, Head, Department of Statistics, Assam University, Silchar, Dr. Kingshuk Adhikari, Department of Commerce, Assam University, Silchar, Dr. Tanusree Deb Roy, Assistant Professor, Department of Statistics, Assam University, Silchar, Ms. Shambi Deb, Lecturer, Ramanuj Gupta Junior College, Silchar delivered their lectures. The session started at around 10:00 AM. Two blended class have been conducted by the resource persons comprised of both theory and practical sessions. The other two sessions included one theory and one practical class. Theory class comprised of Test of Significance and practical class comprised of Test of Significance including ANOVA. Also two blended classes were on Correlation, Linear Regression, Non-Linear regression in two variables and Multiple Regression concept of p-value. The practical classes included Simple linear regression, curve fitting and Scatter diagram, Multiple regression. The participants of the workshop also clarified their doubts in the sessions. The second day of the workshop ended at around 4:40 PM.

The third and last day of the workshop on 7th of January, 2016 started at around 10:00AM. Prof. Dibyojyoti Bhattacharjee, Head, Department of Statistics, Assam University, Silchar, Dr. Dr. Tanusree Deb Roy, Assistant Professor, Department of Statistics, Assam University, Silchar were the speakers of third day. The sessions included three practical classes. Practical class was based on Non-parametric tests including distribution fitting, Factor Analysis, Cluster and Discriminant Analysis.

The Valedictory & Certificate Distribution Session of the Workshop started at 3:00 PM on the 7th of January, 2016. Prof. Dibyojyoti Bhattacharjee, Head, Department of Statistics, Assam University, Silchar, Faculty members from Department of Statistics, Assam University, Silchar and the participants were present in the valedictory session. The session started with the distribution of certificates to the participants which were distributed by the faculty members of the department present in the session. The participants also expressed their opinions in the valedictory session. They expressed that they could gain knowledge from the lectures of the speakers who delivered their lectures in the workshop. Prof. Dibyojyoti Bhattacharjee, Head, Department of Statistics, Assam University, Silchar thanked everyone for participating and contributing towards the success of the event.

The list of participants of the workshop along with their affiliation are as follows:

Name	Affiliating Institute	Designation	Department
Gautam Sen	Assam University	Research Scholar	Commerce
Shantosree Dutta	Assam University	Research Scholar	Commerce
H. Nandakumar Singh	Assam University	Research Scholar	Ecology & Environmental Science
Sabanum Choudhury	Assam University	Research Scholar	Life Science & Bioinformatics
Moirangthem Thajamanbi	Assam University	Research Scholar	Ecology & Environmental Science

Name	Affiliating Institute	Designation	Department
Kheisham Bijalakshmi Devi	Assam University	Research Scholar	Ecology & Environmental Science
Paojatong Singson	Assam University	Research Scholar	Life Science & Bioinformatics
Rojini Athokpam	Assam University	Research Scholar	Life Science & Bioinformatics
Pankaj Phukan	Assam University	Research Scholar	Life Science & Bioinformatics
H. Ashalata Singha	Assam University	Research Scholar	Life Science & Bioinformatics
Sushmita Dey	Assam University	Research Scholar	Ecology & Environmental Science
Anupama Saha	Assam University	Research Scholar	Life Science & Bioinformatics
Ngasepam Romen Singh	Assam University	Research Scholar	Life Science & Bioinformatics
Zareen Mazumder	Assam University	Lecturer	
Nurul Huda Laskar	Assam University	Research Scholar	Physics
Utpal Misra	Patkai Christan College Nagaland	Assistant Professor	Physics
Gaone Molelekwa	Assam University	M A Student	Economics
Begum Abida Choudhury	Assam University	Research Scholar	Physics
Biswajit Singh	Assam University	Research Scholar	Ecology & Environmental Science
Angom Romita Devi	Assam University	Research Scholar	Microbiology
Rajkumari Jina Devi	Assam University	Research Scholar	Microbiology
L Paikhomba Singha	Assam University	JRF	Microbiology
Thounaojam Nevita	Assam University	Research Scholar	Microbiology
Smritirekha Chetia	Assam University	Research Scholar	Agricultural Engineering
Arpita Dalal	Assam University	Research Scholar	Ecology & Environmental Science
Chongtham Memtombi Chanu	Assam University	Research Scholar	Ecology & Environmental Science
Nijira Brahma	Assam University	Research Scholar	Ecology & Environmental Science
Anup Sinha	Assam University	Research Scholar	Economics
Pratiti Singha	Assam University	Research Scholar	Economics
Krishna Bhuyan	Assam University	Research Scholar	Life Science & Bioinformatics
Rajeeb Chetia Pator	Assam University	Research Scholar	Ecology & Environmental Science
Firdous Barbhuiya	Assam University	Medical Social Worker	Silchar Medical College
Abdul Basith Laskar	Assam University	Research Scholar	Economics
Vanlalrema Kuki	Tripura University	NET-JRF	Economics
Shibojit Choudhary	S.S. College Hailakandi	Librarian	Library Science

Name	Affiliating Institute	Designation	Department
Tapa Kar	S.S. College Hailakandi	Assistant Professor	Economics
Biplab Roy	Kaziranga University	Assistant Professor	School of Business
Abul Fazal Mazumder	Assam University	Research Scholar	Ecology & Environmental Science
Rupjyoti Bordoloi	Pragjyotish College	Assistant Professor	
Nirmal Debnath	Hojai College	Assistant Professor	Statistics

Some Snapshots of the Workshop



Departmental Tradition Sapling plantation by Vice Chancellor (i/c) Prof. R. R. Dhamala



Speech by the Workshop Co-ordinator Dr. Jonali Gogoi



Sessions of the Workshop in Progress



Distribution of Certificates

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Group Photo at the End of the Program
